

**The Occurrence of *Oxyethira maya* in Hawaii
(Hydroptilidae: Trichoptera)**

By **HERBERT H. ROSS**

Illinois Natural History Survey, Urbana, Illinois

(Presented by E. C. Zimmerman at the meeting of December 8, 1947)

In 1943, E. C. Zimmerman reported the extremely interesting discovery on Oahu of some minute caddisflies belonging to the family Hydroptilidae, the first record of the order in the Hawaiian Islands. Recently Mr. Zimmerman very kindly sent me a series of these specimens for examination and, oddly enough, they prove to be *Oxyethira maya* Denning, described recently from Georgia, U. S. A. In the original description (Denning 1947) only a single specimen is recorded, indicating the possibility that the main range of the species lies elsewhere than the type locality, in all likelihood to the south of it. The specimens sent to me by Mr. Zimmerman consist of a short series collected by him at Moanalua, Oahu, October 10, 1940.

The adults of this genus are straw color and about 3 mm. long. The aquatic larvae construct a flat, silken purse-case which is not easy to detect, and is frequently attached to plants. It is probable, as Mr. Zimmerman has surmised, that some of the larvae were introduced into the Islands on living freshwater plant material. As pointed out above, the range of the species is so poorly known that it is difficult to guess from what point such an importation might have come.

Details of the diagnostic characteristics of this species may be obtained from the original description, and information regarding the biology and larval characteristics of the genus from Betten (1934) and Ross (1944).

LITERATURE CITED

- Betten, Cornelius. 1934. The caddis flies or Trichoptera of New York state. N. Y. State Mus. Bul. 292. 576 pp., illus.
- Denning, Donald G. 1947. Hydroptilidae (Trichoptera) from southern United States. Can. Ent. 79: 12-20, illus.
- Ross, Herbert H. 1944. The caddis flies or Trichoptera of Illinois. Ill. Nat. Hist. Survey Bul. 23(1): 1-326, illus.
- Zimmerman, Elwood C. 1943. On the establishment of the Order Trichoptera in Hawaii. Haw. Ent. Soc. Proc. 11: 350-352.

Proc. Hawn. Ent. Soc., Vol. XIII, No. 2, — 1948.